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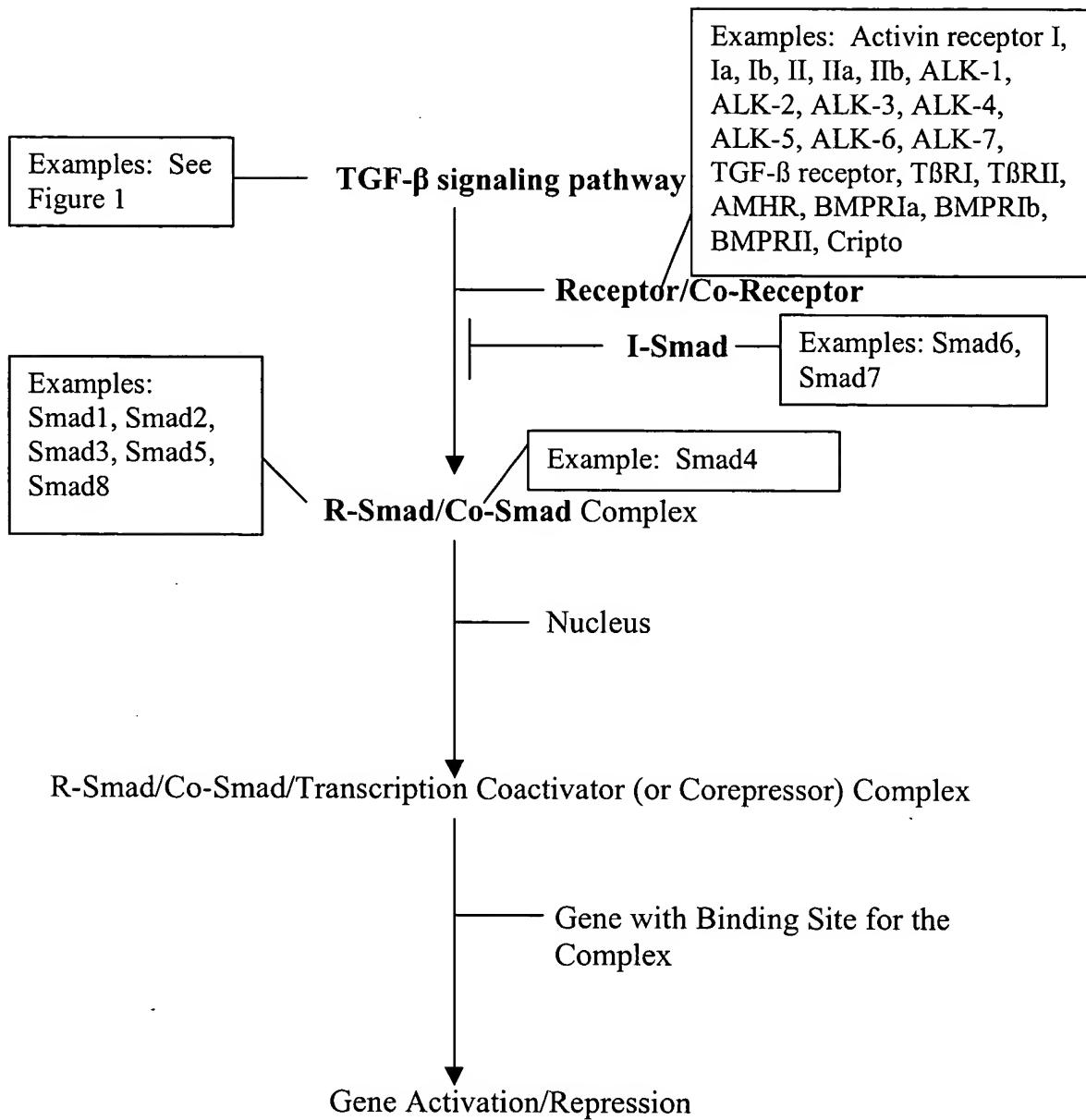
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**FIGURE 1**

DVR Subfamily	TGF $\beta$ Subfamily	Activin/Inhibin Subfamily	GDNF Subfamily	Distant Members
Nodal Xenopus laevis nodal related [Xnr] 1-3 BMP2, 3, 3b, 4, 5, 6, 7, 8, 8b, 9, 10, 11, 15 dpp-c GDF1, 2, 3, 5, 6, 7, 8, 9, 9b, 10, 11 60A derriere Vg1 OP1, 2 Dpp Vgr1	TGF $\beta$ 1 TGF $\beta$ 2 TGF $\beta$ 3 TGF $\beta$ 4 TGF $\beta$ 5	Activin $\beta$ A Activin $\beta$ B Activin $\beta$ C Activin $\beta$ D Activin $\beta$ E Inhibin $\alpha$	Artemin GDNF Neurturin Persephin	Müllerian inhibiting substance (MIS), or anti-Müllerian hormone (AMH) GDF15 Lefty1, 2

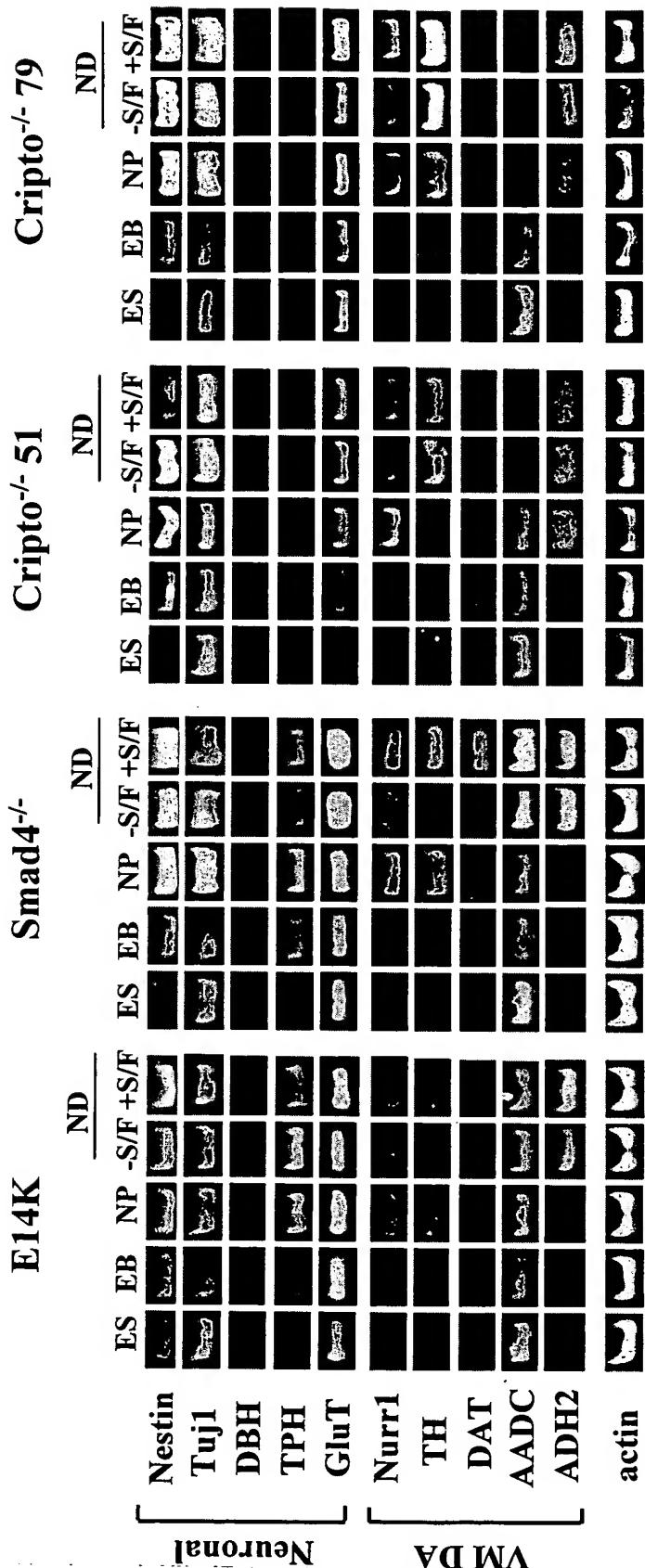
**FIGURE 2**



**Figure 3**

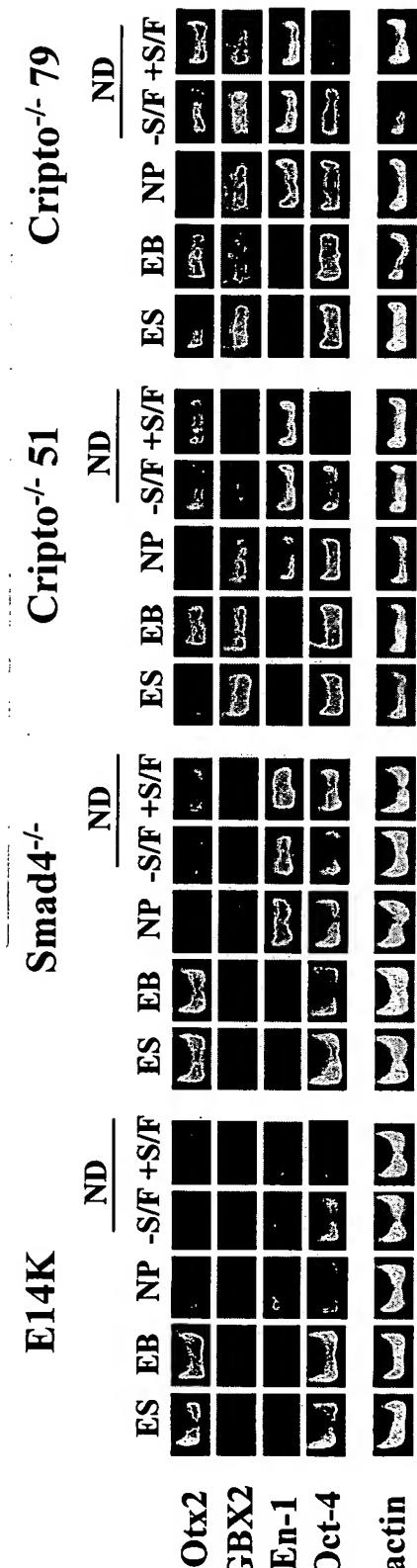
Germ Layers										CRIPTO-/- 51				CRIPTO-/- 79			
E14K				Smad4-/-				ND				ND					
ES	EB	NP	-S/F+S/F	ES	EB	NP	-S/F+S/F	ES	EB	NP	-S/F+S/F	ES	EB	NP	-S/F+S/F		
CK-17	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
GATA4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
HNR-4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Brachury	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cripto	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Smad-4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Nodal	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
BMP4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Nestin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
actin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

**Figure 4**



EMBRYONIC NEURONS DIFFERENTIATED FROM DOPAMINERGIC NEURONS  
NEURODEGENERATIVE DISEASES  
Ole Isacson et al. Filing Date: December 9, 2003  
Customer No.: 21559  
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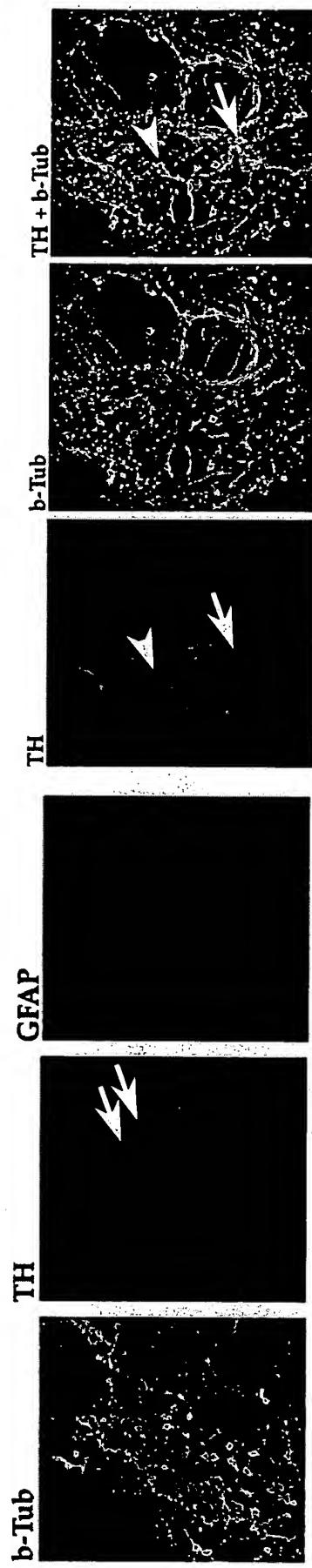
**Figure 5**



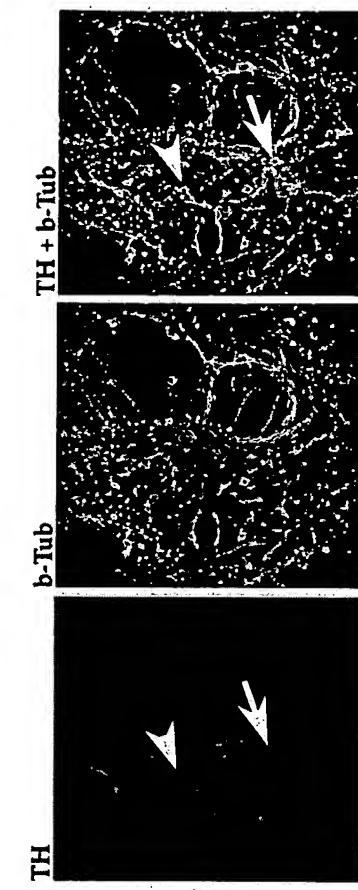
DOPAMINERGIC NEURONS DIFFERENTIATED FROM EMBRYONIC CELLS FOR TREATING NEURODEGENERATIVE DISEASES  
Ole Isacson et al., Filing Date: December 9, 2003  
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**Figure 6**

**E14K (naïve)**



**C8 (Smad4<sup>-/-</sup>)**



**CHG 79 (Cripto<sup>-/-</sup>)**

